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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/630,509

07/30/2003

Kazunori Taniguchi

P/3541-38

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EXAMINER

NGUYEN, TUAN VAN

ART UNIT

PAPER NUMBER

3731

MAIL DATE

DELIVERY MODE

05/11/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/630,509	<b>Applicant(s)</b> TANIGUCHI ET AL.	
	<b>Examiner</b> TUAN V. NGUYEN	<b>Art Unit</b> 3731	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 February 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 6-16, 26, 34-37 and 39-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 6-9, 26 and 34-37 is/are allowed.
- 6) ☒ Claim(s) 15, 16, 39 and 41 is/are rejected.
- 7) ☒ Claim(s) 11-14, 40 and 42 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☒ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

1. Claims 1-38 are pending in this present application.
2. This Office action is in response to the amendment filed on 2/20/2009.

#### ***Response to Amendment***

3. According to the amendment, claims 1-5, 17-25, 27-33 and 38 have been canceled and claims 39-42 are new. Accordingly, claims 6-16, 26, 34-37, and 39-42 are pending in this present application.

#### ***Response to Arguments***

4. Applicant's arguments with respect to claim 10 (currently amended) that Sasaki fails to teach the new limitation of " wherein when the insertion section and the support are arranged on the same axis" has been fully considered but they are not persuasive. Figure 1D of Sasaki's drawings shows the insertion section 2 and support 21 are arranged on a same axis.

#### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains.

Patentability shall not be negated by the manner in which the invention was made.

6. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

7. **Claims 10, 15, 16, 39 and 41 are rejected under 35 U.S.C. 103(a) as being as being unpatentable over Sasaki (U.S. 2002/0055758).**

8. Sasaki discloses (Figs. 1-7B) a surgical instrument 1 comprising, among other things:
- a. an insertion section 2 having a treatment section 3 or distal end portion 3 and a proximal end portion that coupling to handle 39 and 37, the insertion section comprising first driving rod 5 to open and close a pair of jaws 12, 14 disposed in the distal end portion of the insertion section 2 and second and third driving rod 5 and 7, respectively (Fig. 2A and [0039]-[0041]);
  - b. a support 21 (Figs. 2A and 4 ) which pivotally supports jaw 14 of the pair of jaws 12, 14 to be relatively opened/closed ([0044]) and the insertion section 2 and support 21 are arranged on a same axis (Fig. 1D);
  - c. a first coupling member 16 or sliding member 16, which connected to connecting rod 18 connecting member, for providing axial movement and

support jaw 12, wherein the sliding member being pivotally supported on the distal end portion of the connecting rod 18 (Figs. 3A-3B), noting that the sliding member also positioned on a center axis of support 21 (Fig. 2E and 4);

- d. a connecting rod 18 having a distal end portion and a proximal end portion, the sliding member being pivotally supported on the distal end portion of the connecting rod to open/close the pair of jaws, and the distal end portion of the first driving rod 5 being pivotally supported on the proximal end portion of the connecting rod 18;
- e. a rotation mechanism that includes second driving rod 6 and third driving rod 7(Figs. 5A-7B), which rotatably supports the support 21 on the distal end portion of the insertion section 2, and pivotally supports the support 21 (Fig. 4) in a state of being offset with respect to a center axis of the support (Fig. 2A and Fig. E);
- f. and handles 39 and 37 or an operation section disposed in the proximal end portion of the insertion section 2, which pivotally supports the proximal end portions of the first, second and third driving rods, when the operation section is opened/closed and rotated to slide the first driving rod 5 to slide the sliding member 16 through the connecting rod 18 thereby opening/closing the pair of jaws 12, 14 and a rotating force by the rotation operation being transmitted from the proximal end portion to the distal end portion of the second driving rod 6 and third driving rod 7 to apply a

rotational force on the support to rotate the support 21 on the distal end portion of the insertion section, thereby rotating the pair of jaws with respect to the insertion section relatively (Figs. 4 and 5A-7B and [0055]-[0075]).

9. Sasaki discloses the invention substantially as claimed except for the new limitation of “an end surface in an axial direction of the connecting rod is inclined in an axial direction of the insertion section and the support”. However, it would have been obvious to one of ordinary skill in the art to provide an inclined end surface similar (Fig. 3A, end surface near pine 15) of component 16 to the ends surface of connecting rod 18 to prevent jamming and to provide atraumatic end surface to prevent damage to the tissue.

#### ***Allowable Subject Matter***

10. Claims 6-9, 26, 34, 35, 36, 37 and 35 are allowable over prior art of record.
11. Claims 11-14, 40 and 42 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUAN V. NGUYEN whose telephone number is (571)272-5962. The examiner can normally be reached on M-F: 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, AnhTuan Nguyen can be reached on 571-272-4963. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/T. V. N./  
Examiner, Art Unit 3731

/Anhtuan T. Nguyen/  
Supervisory Patent Examiner, Art Unit 3731  
5/8/09